

Amendments to the Specification

Please replace the paragraph beginning on page 1, line 7, with the following rewritten paragraph:

A frequently used method of measuring the ~~tree-dimensional~~three-dimensional position of a luminous object (or a high-luminance object) is as follows: a luminous object is photographed with two digital cameras and the coordinates of the luminous object are calculated with the distance between the two cameras as a base line under the principle of triangulation. However, this method requires at least two cameras and may be costly. In addition, since the focus of the camera lens must be adjusted accurately before photographing the object, only up to ten shots can be taken in one second. Also, the position of a quickly moving object cannot be measured because focusing cannot be done so quickly. Another problem is that poor focusing may result in serious deterioration in positional precision or resolution.